

PRODUCTION OF CHLOROSULFONYL ISOCYANATE

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[21] Application No.: JP02292531
[22] Filed: 19901029
[43] Published: 19920609

[No drawing]

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[57] Abstract:

PURPOSE: To obtain the subject compound useful as an intermediate raw material for pharmaceuticals and agricultural chemicals and a modifier for synthetic fibers and synthetic resins, etc., in high purity and yield by reacting sulfuric anhydride with cyanogen chloride at a specific temperature using a chlorine- containing saturated hydrocarbon having a specific carbon number as a solvent. CONSTITUTION: The objective compound is produced by reacting sulfuric anhydride with cyanogen chloride using a 1-3C chlorinated saturated hydrocarbon (preferably methylene chloride, ethylidene dichloride, 1, 1,2- trichloroethane, etc., especially preferably 1,2-dichloroethane) as a solvent while keeping the temperature of the reaction system to 10-50°C (preferably 15-35°C). The amount of the solvent is preferably 3-20 pts. wt., especially 5-10 pts.wt. based on 1 pt.wt. of sulfuric anhydride. COPYRIGHT: (C)1992,JPO&Japio

[51] Int'l Class: C07C38100